

PROJECT		<b>GRID AZIMUTHS (t and T) AND (t - T) CORRECTION FROM U. T. M. GRID COORDINATES</b> For use of this form, see FM 3-34.331; the proponent agency is TRADOC.			
LOCATION					
ORGANIZATION			CENTRAL MERIDIAN		
SPHEROID		ZONE		UNIT Meter	FE 500,000 m.
Grid Azimuth of Sta. (1) to Sta. (2)					
N <sub>2</sub>		E <sub>2</sub>		2E' <sub>1</sub> +E' <sub>2</sub>	
N <sub>1</sub>		E <sub>1</sub>		(XVIII)	
ΔN		ΔE		(t - T)	
tan β				T	
β		t			
Grid Azimuth of Sta. (1) to Sta. (2)					
N <sub>2</sub>		E <sub>2</sub>		2E' <sub>1</sub> +E' <sub>2</sub>	
N <sub>1</sub>		E <sub>1</sub>		(XVIII)	
ΔN		ΔE		(t - T)	
tan β				T	
β		t			
Grid Azimuth of Sta. (1) to Sta. (2)					
N <sub>2</sub>		E <sub>2</sub>		2E' <sub>1</sub> +E' <sub>2</sub>	
N <sub>1</sub>		E <sub>1</sub>		(XVIII)	
ΔN		ΔE		(t - T)	
tan β				T	
β		t			
Grid Azimuth of Sta. (1) to Sta. (2)					
N <sub>2</sub>		E <sub>2</sub>		2E' <sub>1</sub> +E' <sub>2</sub>	
N <sub>1</sub>		E <sub>1</sub>		(XVIII)	
ΔN		ΔE		(t - T)	
tan β				T	
β		t			
$\tan \beta = \frac{\Delta E}{\Delta N}$				E' <sub>1</sub> =E <sub>1</sub> 500,000 m.	
$t = \beta$ if ΔE+, ΔN+.				E' <sub>2</sub> =E <sub>2</sub> 500,000 m.	
$t = 180^\circ - \beta$ if ΔE+, ΔN-.				$(t - T) = (-\Delta N)(2E'_1 + E'_2)(XVIII) 6.8755 \times 10^{-8}$	
$t = 180^\circ + \beta$ if ΔE-, ΔN-.				T=t - (t - T)	
$t = 360^\circ - \beta$ if ΔE-, ΔN+.				E' is negative west of Central Meridian	
COMPUTED BY		DATE (YYYYMMDD)		CHECKED BY	
				DATE (YYYYMMDD)	